

Table 7

MORTALITY AND MORBIDITY RATES OF OTHER MEDICAL PROCEDURES\*

	MORTALITY	MORBIDITY
Cervical manipulation		
@ 1:400,000 major		0.00025% <sup>11</sup>
@ 1:40,000 minor		0.0025% <sup>49</sup>
Estimate only	0.000000096%**	
General population (VBA-related deaths)	0.00057% <sup>11</sup>	
General surgery (30-day mortality#)	5.6% <sup>113</sup>	
Orthopaedic surgery#	1.8% <sup>113</sup>	
All surgery#	1.2% - 5.4 <sup>113</sup> %	
After adjustment for risk factors#	0.49% - 1.53% <sup>113</sup>	
Total hip replacement	1.1% <sup>158</sup>	
Peripheral vascular surgery	4.6% <sup>113</sup>	
Otolaryngology surgery	2.9% <sup>113</sup>	
Iatrogenic hospital admissions	1.84%	36.0% <sup>114</sup>
Vaccination at wrong body location		33% <sup>159</sup>
Medication error (out-patients 1:131)		.76% <sup>130</sup>
Misinterpretation of medical jargon in laboratory reports		80% <sup>160</sup>
Epidural anaesthesia		1.6% <sup>161</sup>
Hospital medication: over-prescribed/never used		16-20% <sup>162</sup>
NSAIDs	0.04% <sup>16</sup>	
Liposuction (US)—100 deaths in the past 12 months <sup>163</sup>		

\* Adapted from Khuri *et al.*<sup>113</sup>

\*\* Based on an approximate calculation as follows:

- 100,000 manipulators worldwide—all professions
- X 100 average cervical manipulations per week (e.g. 2 procedures/patient visit, 50 patient visits/wk)
- = 10,000,000 cervical manipulations/wk
- = 520,000,000 per year
- @ .5 deaths per year (see Table 1)
- = mortality rate of 1:1,040,000,000 = 0.000000096%